Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/12/2019 03:47 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125160	0	1.89	125222	1.87
Blue	F	SSC	125000	123048	-2	3.03	123857	3.07
Blue	E	FITC	16694	16637	-1	3.52	387	21.59
Blue	D	PE	32792	32504	-1	2.69	717	16.58
Blue	B	PerCP-Cy5-5	44451	44760	0	4.46	1230	23.64
Blue	A	PE-Cy7	33645	33939	0	7.09	609	50.26
Red	C	APC	47008	47041	0	2.95	1819	13.55
Red	A	APC-Cy7	32298	31976	-1	2.84	798	14.76
Violet	B	V450	8961	8670	-4	4.33	480	14.44
Violet	A	V500	32726	31772	-3	3.94	764	11.51

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20234	5.50	613	0	N/A	N/A	Pass
Blue	F	SSC	55699	2.50	584	16	N/A	N/A	Pass
Blue	E	FITC	63	72.41	571	8	0.0160	150	Pass
Blue	D	PE	141	57.74	575	9	0.1202	254	Pass
Blue	B	PerCP-Cy5-5	224	57.93	681	10	0.0069	51	Pass
Blue	A	PE-Cy7	117	125.74	736	10	0.0082	23	Pass
Red	C	APC	414	28.86	616	3	0.0185	110	Pass
Red	A	APC-Cy7	195	32.43	587	2	0.0040	638	Pass
Violet	B	V450	71	68.25	481	-5	0.0425	2103	Pass
Violet	A	V500	108	35.89	491	-5	0.0166	403	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.31	-31.98	1.14
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.49
Red	16.20	13.60 - 20.40	N/A	N/A	29.14	29.54	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 13033

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments